

Mountain Valley Pipeline, LLC

v.

Easements to Construct, etc., et al.

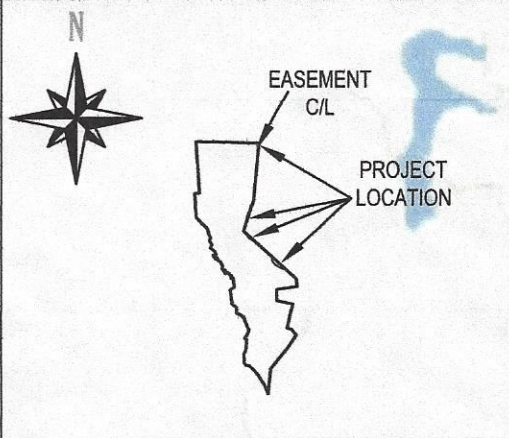
## **Exhibit 74 to Complaint**

Map of MVP Parcel No. NC-RO-149.100

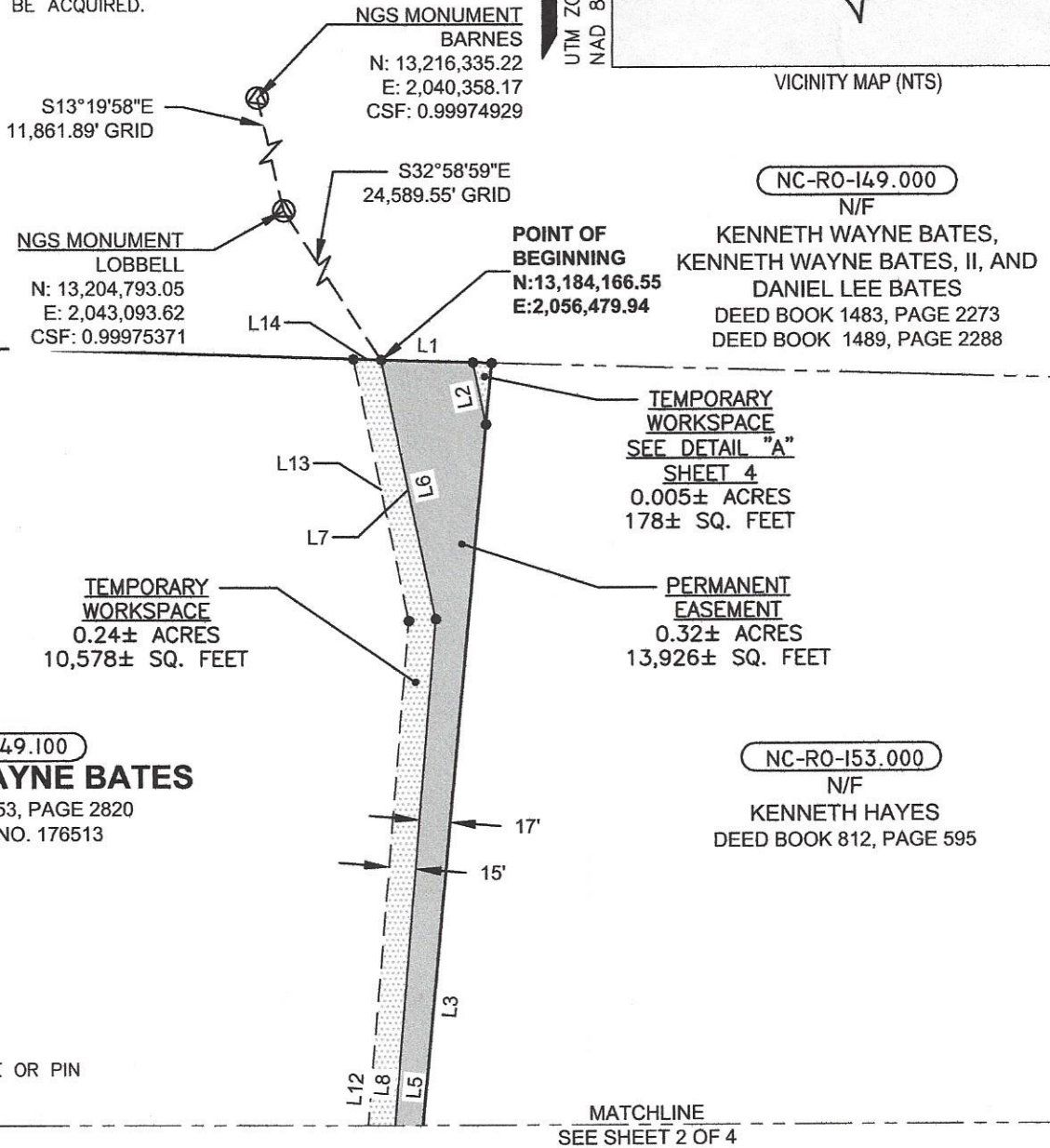
EXHIBIT A

NOTES

1. ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GRID DISTANCES, A PROJECT SCALE FACTOR (PSF) OF 0.99979557 WAS ESTABLISHED FOR THIS PROJECT. TO OBTAIN GROUND DISTANCE, DIVIDE THE DISTANCE SHOWN BY THE PSF.
2. AREAS DETERMINED BY COORDINATE METHOD.
3. AREAS SHOWN ARE SUBJECT TO EASEMENT OF RECORD.
4. RECORD REFERENCES: DEED BOOK 1453, PAGE 2820
5. PARCEL ID: 176513
6. PROPERTY LINES SHOWN ARE BASED ON EXISTING DEEDS, PLATS AND VISIBLE MONUMENTATION DISCOVERED ALONG PROJECT AREA.
7. THIS SURVEY IS REFERENCED TO UTM ZONE 17 N NAD 83 (2011).
8. ALL CORNERS ARE AS NOTED.
9. THIS PLAT IS FOR EASEMENT ACQUISITION PURPOSES ONLY AND IS NOT TO BE CONSIDERED A BOUNDARY SURVEY OF THE PARENT TRACT.
10. TEMPORARY EASEMENT TO BE ACQUIRED.



VICINITY MAP (NTS)



LEGEND

- NGS MONUMENT
- EXISTING IRON PIPE OR PIN
- IRON PIN SET
- COMPUTED POINT
- LINE NOT TO SCALE
- PERMANENT ACCESS ROAD
- TEMPORARY ACCESS ROAD
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
- POSSIBLE TEMPORARY WORKSPACE

I, Thomas Warner Kimmel, certify that this plat is of a PERMANENT EASEMENT for a public utility as defined in GS 62-3; that this plat was drawn under my supervision from an actual survey performed under my supervision (deed description recorded in deed book 1453, page 2820; that the ratio of precision as calculated is 1:10,000±; that the Global Positioning System (GPS) observations were performed to the Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks at the Class "A" accuracy classification (95% confidence) using RTK/VRS networks and traditional traverses.

That this plat meets the requirements of G.S. 47-30 section (f)(11)(c).

This 26th day of May, 2020

THOMAS WARNER KIMMEL, PLS L 3674

LAND OWNER INITIALS: \_\_\_\_\_

DATE: \_\_\_\_\_

TRC ENGINEERS, INC  
2200 LIBERTY AVENUE,  
SUITE 100  
PITTSBURGH, PA 15222  
PH: (724) 749-8572 tkimmel@trcsolutions.com  
NC CORPORATE LICENSE No. F-0591



KENNETH WAYNE BATES

AREA OF PERMANENT EASEMENT: 13,926± sq. ft. 0.32 ACRES  
AREA OF TEMPORARY WORKSPACE: 10,756± sq. ft. 0.25 ACRES  
AREA OF ADDITIONAL TEMPORARY WORKSPACE: 14,939± sq. ft. 0.34 ACRES  
AREA OF ACCESS ROAD: 18,584± sq. ft. 0.43 ACRES

CENTERLINE OF EASEMENT: 122± feet 7.40± rods  
CENTERLINE OF ACCESS ROAD: 738± feet 44.73± rods

SEE SHEET 4 OF 4 FOR LINE TABLES

EASEMENT SURVEY  
FOR MVP SOUTHGATE  
TOWNSHIP OF WILLIAMSBURG  
ROCKINGHAM COUNTY, NORTH CAROLINA



PIPELINE EASEMENT IN PROPERTY OF  
KENNETH WAYNE BATES

NC-RO-149.100  
DEED BOOK 1453, PAGE 2820

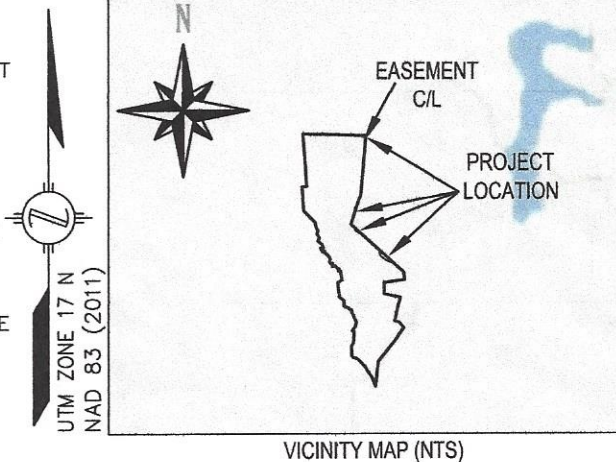
REVISIONS				
1	2/8/19		ISSUE FOR REVIEW	
2	4/23/20	MSF	GENERAL REVISIONS	TWK
3	5/26/2020	DD	UPDATED ADJOINER	TWK
No.	Date	Rev By	Description	Checked



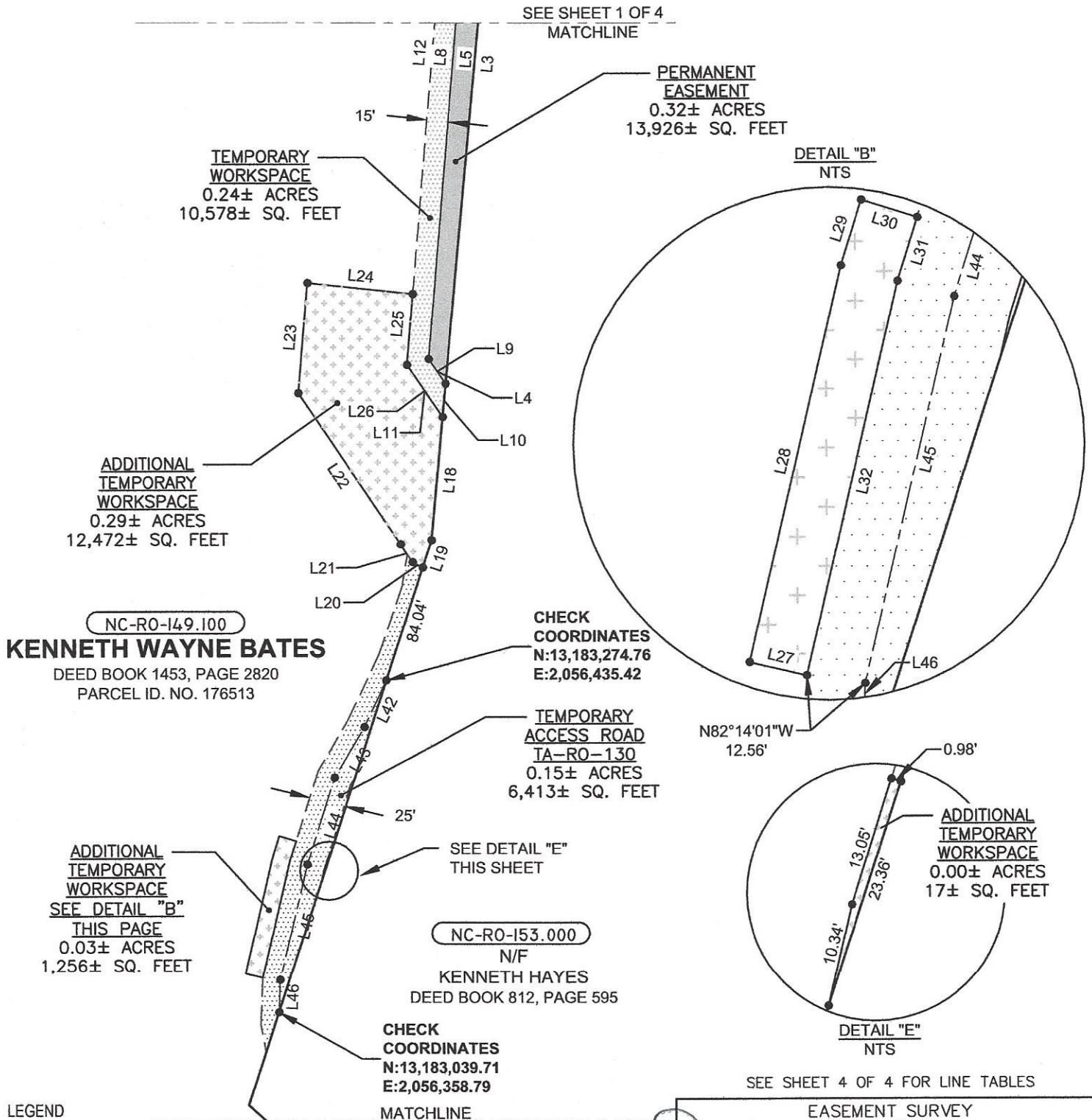
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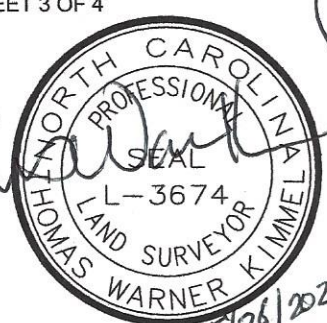
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10. TEMPORARY EASEMENT TO BE ACQUIRED.



VICINITY MAP (NTS)



- LEGEND
- ⊙ NGS MONUMENT
  - ⊙ EIP EXISTING IRON PIPE OR PIN
  - ⊙ OIPS IRON PIN SET
  - CP COMPUTED POINT
  - LINE NOT TO SCALE
  - PERMANENT ACCESS ROAD
  - TEMPORARY ACCESS ROAD
  - PERMANENT EASEMENT
  - TEMPORARY WORKSPACE
  - ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
  - POSSIBLE TEMPORARY WORKSPACE



SEE SHEET 1 FOR THE LAND SURVEYOR'S CERTIFICATION.

EASEMENT SURVEY  
FOR MVP SOUTHGATE  
TOWNSHIP OF WILLIAMSBURG  
ROCKINGHAM COUNTY, NORTH CAROLINA

**Mountain Valley**  
PIPELINE LLC

PIPELINE EASEMENT IN PROPERTY OF  
KENNETH WAYNE BATES

NC-RO-149.100  
DEED BOOK 1453, PAGE 2820

NC-RO-153.000  
N/F  
KENNETH HAYES  
DEED BOOK 812, PAGE 595

NC-RO-149.100  
DEED BOOK 1453, PAGE 2820

Drawn By: DJB Chk'd By: Appd By: TRC Proj. No. 300423 Scale: 1"=100'  
Drawn Date: 2/8/19 DD TWK Sheet: 2 OF 4 MVP Proj. No.

100 50 0 100  
GRAPHIC SCALE IN FEET

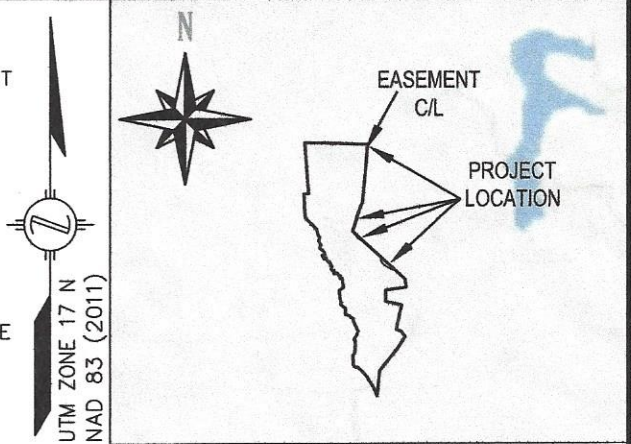
REVISIONS				
No.	Date	Rev By	Description	Checked
1	2/8/19		ISSUE FOR REVIEW	
2	4/23/20	MSF	GENERAL REVISIONS	TWK
3	5/26/2020	DD	UPDATD ADJOINER	TWK



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EXHIBIT A



SEE SHEET 2 OF 4  
MATCHLINE

CHECK  
COORDINATES  
N:13,182,936.08  
E:2,056,379.47

TEMPORARY  
ACCESS ROAD  
TA-RO-130  
0.10± ACRES  
4,537± SQ. FEET

CHECK  
COORDINATES  
N:13,182,814.28  
E:2,056,513.66

NC-RO-153.000  
N/F

KENNETH HAYES  
DEED BOOK 812, PAGE 595

NC-RO-149.100

KENNETH WAYNE BATES

DEED BOOK 1453, PAGE 2820  
PARCEL ID. NO. 176513

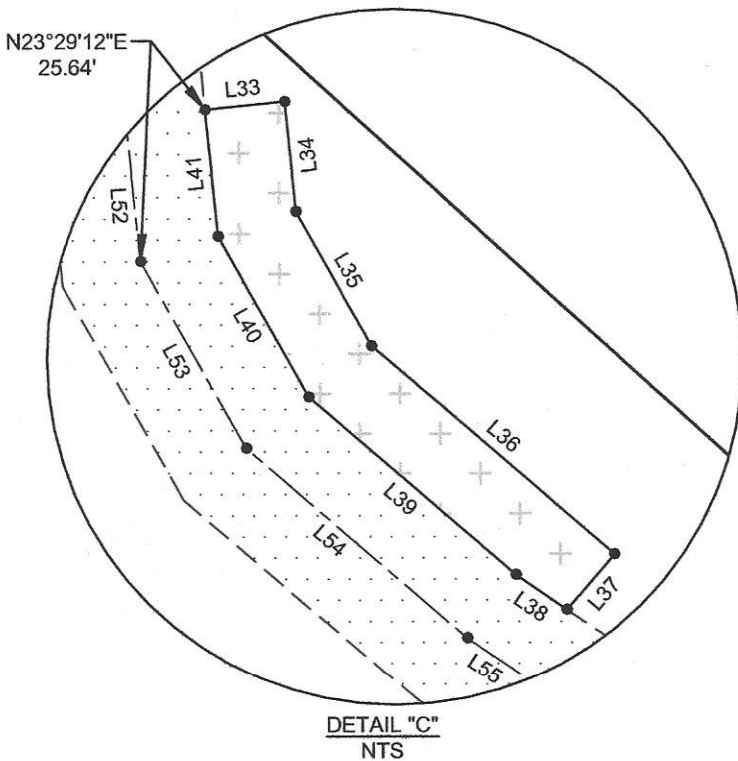
CHECK  
COORDINATES  
N:13,182,628.98  
E:2,056,717.81

ADDITIONAL  
TEMPORARY  
WORKSPACE  
SEE DETAIL "C"  
THIS PAGE  
0.03± ACRES  
1,194± SQ. FEET

CHECK  
COORDINATES  
N:13,182,444.40  
E:2,056,921.17

TEMPORARY  
ACCESS ROAD  
TA-RO-130  
0.17± ACRES  
7,572± SQ. FEET

TEMPORARY  
ACCESS ROAD  
TA-RO-130  
SEE DETAIL "D"  
SHEET 4  
0.001± ACRES  
62± SQ. FEET



LEGEND

- NGS MONUMENT
- EIP EXISTING IRON PIPE OR PIN
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SEE SHEET 1 FOR THE LAND SURVEYOR'S CERTIFICATION.



LAND  
OWNER  
INITIALS: \_\_\_\_\_  
DATE: \_\_\_\_\_

SEE SHEET 4 OF 4 FOR LINE TABLES

EASEMENT SURVEY  
FOR MVP SOUTHGATE  
TOWNSHIP OF WILLIAMSBURG  
ROCKINGHAM COUNTY, NORTH CAROLINA



PIPELINE EASEMENT IN PROPERTY OF  
KENNETH WAYNE BATES

NC-RO-149.100  
DEED BOOK 1453, PAGE 2820

Drawn By: DJB	Chk'd By: DD	App'd By: TWK	TRC Proj. No. 300423	Scale: 1"=100'
Drawn Date: 2/8/19	DD	TWK	Sheet: 3 OF 4	MVP Proj. No.
GRAPHIC SCALE IN FEET				
REVISIONS				
1	2/8/19		ISSUE FOR REVIEW	
2	4/23/20	MSF	GENERAL REVISIONS	TWK
3	5/26/2020	DD	UPDATED ADJOINER	TWK
No.	Date	Rev By	Description	Checked



EXHIBIT A

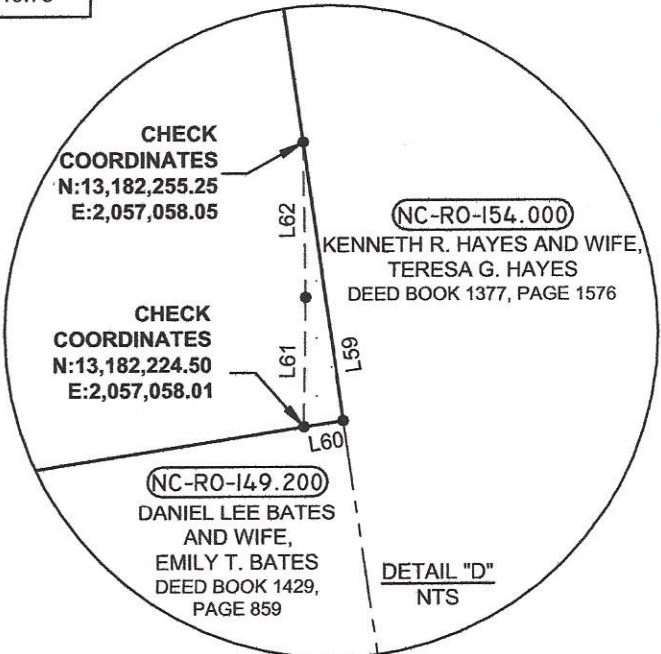
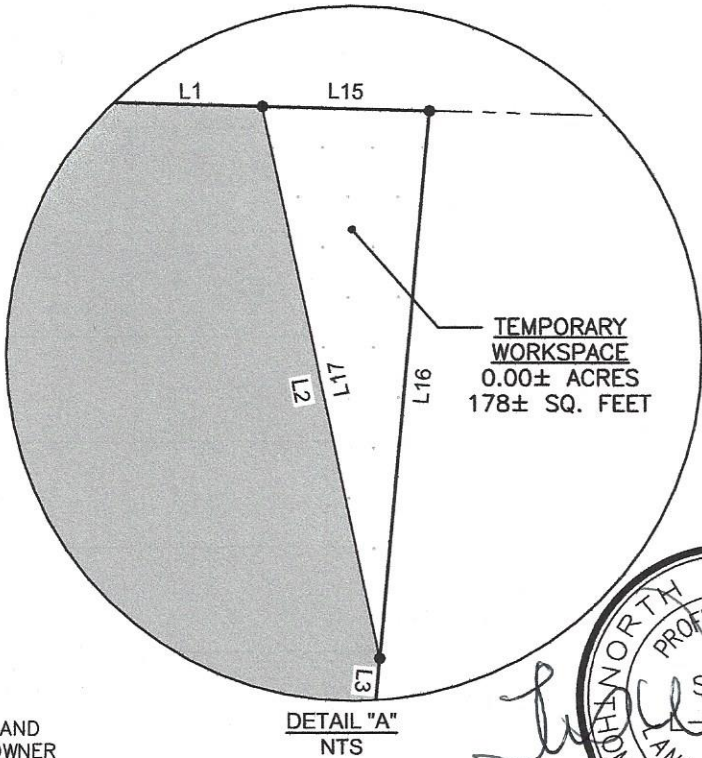
PERMANENT EASEMENT		
LINE TABLE		
LINE	BEARING	DISTANCE
L1	S88°21'55"E	51.41'
L2	S11°50'15"E	35.21'
L3	S05°20'45"W	649.48'
L4	N34°08'34"W	21.09'
L5	N04°49'34"E	522.67'
L6	N11°50'15"W	147.44'

TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L7	S11°50'15"E	147.44'
L8	S04°49'34"W	522.67'
L9	S34°08'34"E	21.09'
L10	S05°20'45"W	23.59'
L11	N34°08'34"W	44.60'
L12	N04°49'34"E	525.78'
L13	N11°50'15"W	148.84'
L14	S88°21'55"E	15.42'
L15	S88°21'55"E	10.42'
L16	S05°20'45"W	34.31'
L17	N11°50'15"W	35.21'

ADDITIONAL TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L18	S05°20'45"W	86.95'
L19	S18°03'23"W	20.26'
L20	N61°19'23"W	8.10'
L21	N34°08'35"W	15.17'
L22	N34°08'34"W	128.28'
L23	N04°49'35"E	78.27'
L24	S84°05'32"E	75.01'
L25	S04°49'35"W	50.32'
L26	S34°08'34"E	44.60'
L27	N76°49'58"W	12.50'
L28	N13°10'02"E	86.50'
L29	N17°34'51"E	14.50'
L30	S72°25'09"E	12.50'
L31	S17°34'51"W	14.01'
L32	S13°10'02"W	86.02'
L33	N84°18'38"E	12.50'
L34	S05°41'22"E	17.16'
L35	S29°17'43"E	23.98'
L36	S49°16'10"E	49.97'
L37	S40°43'50"W	11.42'
L38	N55°42'15"W	9.65'
L39	N49°16'10"W	42.58'
L40	N29°17'43"W	28.80'
L41	N05°41'22"W	19.78'

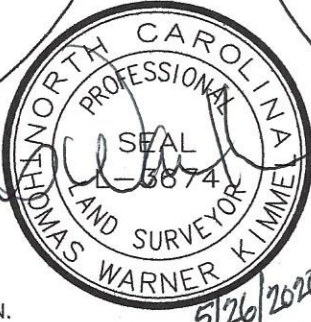
CENTERLINE OF ACCESS ROAD		
LINE TABLE		
LINE	BEARING	DISTANCE
L42	S25°32'54"W	36.28'
L43	S30°47'20"W	41.66'
L44	S17°34'51"W	64.55'
L45	S13°10'02"W	84.36'
L46	S02°21'53"W	22.88'
L47	S19°58'42"E	41.43'
L48	S44°19'04"E	36.05'
L49	S58°47'42"E	55.20'
L50	S58°41'23"E	53.27'
L51	S69°28'55"E	2.28'
L52	S05°41'22"E	58.47'
L53	S29°17'43"E	33.61'
L54	S49°16'10"E	45.49'
L55	S55°42'15"E	41.26'
L56	S64°07'59"E	47.83'
L57	S74°06'27"E	43.50'
L58	S67°40'05"E	29.93'

ACCESS ROAD		
LINE TABLE		
LINE	BEARING	DISTANCE
L59	S08°00'37"E	30.38'
L60	S81°10'53"W	4.32'
L61	N01°00'45"E	14.03'
L62	N00°43'27"W	16.72'



SEE SHEET 1-3 OF 4 GRAPHICS AND LABELS.

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF WILLIAMSBURG ROCKINGHAM COUNTY, NORTH CAROLINA				
PIPELINE EASEMENT IN PROPERTY OF KENNETH WAYNE BATES NC-RO-149.100 DEED BOOK 1453, PAGE 2820				
Drawn By: DJB Drawn Date: 2/8/19	Chk'd By: DD	Appd By: TWK	IRC Proj. No. 300423 Sheet: 4 OF 4	Scale: MVP Proj. No.
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No.	Date	Rev By	Description	Checked



LAND OWNER INITIALS: \_\_\_\_\_

DATE: \_\_\_\_\_

SEE SHEET 1 FOR THE LAND SURVEYOR'S CERTIFICATION.